

QCD Papers of the Week

● QCD Papers of the Week

- ◆ [hep-ph/0111157](#), Out of plane QCD radiation in DIS with high p_T jets, A. Banfi, G. Marchesini, G. Smye, G. Zanderighi; result should provide a powerful tool to understand QCD dynamics, in particular to constrain the parton distribution functions, to measure the running coupling and to search for non-perturbative effects.
- ◆ [hep-ph/0111164](#), Direct Higgs production and jet veto at the Tevatron and the LHC in NNLO QCD, S. Catani, D. de Florian and M. Grazzini; Higgs production examined at NNLO along with the effects of imposing a jet veto

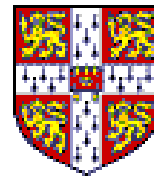
QCD Papers of the Week (best of)

- ◆ hep-ph/0110315, Three-jet cross sections in hadron-hadron collisions at NLO, Zoltan Nagy; a new QCD event generator for three-jet cross sections at NLO accuracy; seems to be fast than the Giele-Kilgore code
 - ▲ note the program is now available on the web page:
<http://www.cpt.dur.ac.uk/~nagyz/nlo++/>
 - ▲ let me know if you try running it

Other News

<http://www.hep.phy.cam.ac.uk/theory/webber/camws.html>

- Workshop on TeV Scale Physics
- July 18-21 Peterhouse College Cambridge University
- Limited attendance so if you want to attend send email to me **and** to email address listed on website



UNIVERSITY OF
CAMBRIDGE



Les Houches accord news

- Herwig has plan for incorporating Les Houches accord; estimate Feb-Mar for completion
- Madgraph-generated event files available with Les Houches accord common blocks filled
 - ◆ QCD $Wj, Zj, Wjj, Wjjj, Zjjj, bbjj, ttjj, VV\gamma, VVjj, W\gamma, Z\gamma$
 - ◆ EW $Wjj, Zjj, Hjj, Wjjj, Zjjj, Hjjj$
 - ◆ let me know if you're interested in using any of these processes
- Walter has finished (mostly) the interface for pdfs for use with MC/ME programs
 - ◆ we (MSU) will add CTEQ6 pdfs (including 40 error sets) and then make it available, at least to MC/ME authors